



Nederman

Wood working

All you need for extraction and handling of wood dust and chips



Quality production

Nederman wood working solutions contribute to:

- Energy optimization
- Less wear on equipment
- Improved health conditions and cleaner environment
- Better end-product quality
- Recycling of wood waste

Woodworking, involving everything from small hand tools to large CNCs, whether cutting, sanding, planing, edge banding, dowel drilling, etc. can create large amounts of wood dust. To handle these various applications safely and efficiently, Nederman has developed a wide range of products and systems including small localized to large central dust collectors, piping/ducting, fans, conveyors and automated control systems.

These systems make it possible for customers to not only achieve a good working environment, but also recycle wood waste, which can represent a large economic value.

Our solutions are used in various wood working settings to reduce the impact on the environment from various wood-working processes and contribute to improved production economics and reduced environmental impact of industrial processes.

- Primary wood
- Secondary wood working - small to large workshops
- Wood briquetting
- Incineration of wood waste



Primary wood

Sawing and planing generates large quantities of valuable wood waste. To deal with high volumes and continuous processes complete dust free waste handling systems can be engineered to suit your requirements. Closed loop transport systems for silo storage, or automated discharge into single or multiple box-cart stations may be specified.



Secondary wood working

Nederman offers a variety of vacuum solutions for extracting and managing sanding dust to sawdust to chips directly at the source. Extraction can be fitted directly to large multi-port CNC machines down to small hand held tools. With wood dust being combustible, we offer these solutions to be compliant with combustible dust standards and regulation such as ATEX and NFPA.

We also supply all the components and needs to provide a complete system solution:

- QuickFit Ducting and flex hose
- ATEX approved components such as Explosion Isolation Flaps
- Starters, inverters and control systems
- Rotary valves and dust handling solutions
- System installation and commissioning

Combustible Dust

Worldwide standards and regulations exist on how to handle combustible dusts, such as that generated by machining wood. Proper dust extraction at the source is just one of the necessary needs to have your facility compliant with these rules and keep your workers and facility safe. Unfortunately, too often, dust collection systems are installed without the full system being in compliance with the combustible dust codes and standards. As a world leader in providing combustible dust compliant system, Nederman can assist facilities in meeting the compliance needs of wood working facilities subject to the standards and regulations such as ATEX and NFPA.

Wood briquetting

When converted into pellets, waste products can be used for energy production or be sold as an energy source. In recent year's landfill tax, road fuel and space heating costs have changed the value of wood waste - making equipment that upgrades the waste into valuable by-products more and more interesting.



Incineration of wood waste

Wood waste can be incinerated to produce energy and heat, representing a large economic value. Nederman offers solutions e.g. fans and filters to deal with the hot gas from the incineration process.

Nederman also has solutions for recovering the waste heat. Depending on the process, the heat can be recycled back into the production or used to heat office buildings etc.



Wood dust management Eco-efficient solutions

Well designed and efficient wood waste handling installations are necessary in the woodworking industry. Nederman solutions combine care for the environment and employee health with improvements in work efficiency and production economy: ecologically and economically efficiency.

For all wood-based applications, ranging from centralized production plants to small carpentries

- 1 CJB Cyclofilter bag dust collector
- 2 Combifab-F fans and blowers
- 3 NFSZ3000 bag dust collector with rotary valve or screw conveyor
- 4 ATEX approved industrial vacuum cleaners
- 5 Stationary high vacuum systems e.g. FlexFilter Ex or FlexPak
- 6 NFKZ3000 bag dust collector with chain conveyor
- 7 QuickFit clamp together ducting
- 8 CARZ explosion isolation flap valve
- 9 SiloSafe
- 10 NFSZ3000 with rotary valve
- 11 LBP/FS flat bag dust collector



Improve your production efficiency, achieve a better working environment and reduce environmental impact.

Dust collectors for every need



CJB Cyclofilter

- Cyclonic dust filtration for high dust loads
- Small footprint for tight spaces
- Single inlet and outlet for easy installation
- Positive and negative pressure systems
- Cost effective and efficient



NFKZ3000 Chain Filter

- Multiple inlets for zoned installations
- Modular filtration system with drop out chambers for high dust loads
- Positive and negative pressure systems
- Regeneration fan cleaning, no compressed air needed.
- Low energy consumption



FS Filter

- Horizontal flat bags with top inlet for small and light weight dusts.
- High temperature solutions for wood smoke incineration solutions
- Reverse air cleaning where compressed air is not available.
- Modular construction



LBP Filter

- Traditional rectangular baghouse with clean air side access
- Integrated drop out chamber or module for moderate to high dust loads
- Multiple hopper connections: bins, airlocks, conveyors to optimize collected dust handling.
- St1, St2, St3 combustible dust solutions



FlexFilter Ex

- Central high vacuum solution for multiple hand small machine and tool extraction
- Automatic filter cleaning for easy disposal of dust
- Low airflow, high pressure suction: energy efficient



Auto M

- Self contained dust collector for small applications
- Small/compact design for easy installation into small spaces
- Automatic electric shaker for downtime filter cleaning requiring no compressed air
- Front access for easy maintenance



S-Series

- Enclosureless dust collector for indoor installation
- Quiet running with low RPM fans
- Simple maintenance
- Quick installation



FlexPak Collectors

- High vacuum solution for small central system hand tool dust extraction
- Frequency inverter and PLC controlled for minimizing energy usage
- Automatic on/off capable for lowest energy usage.
- Compact and self contained for easy/fast installation

Ancillary components such as CARZ Explosion Isolation Flap, ducting, flex hose, starters/controllers, Combifab-F fans and other products available to provide locally compliant combustible dust filtration systems

Complete solutions that protect your environment



Comprehensive product range

Nederman is a world-leading environmental technology company with solutions that take their origin in "capture-at-source", i.e. extraction of contaminants right at the point of creation. We filter, clean and recycle to create eco-efficient production in demanding industrial surroundings. Our offer includes individual products, engineering design, installation, commissioning and service. By continually adding new skills and solutions and expanding our geographic presence, we help our customers to develop their businesses both economically and ecologically.



Combustible dust hazards - dust extraction systems fulfilling the ATEX and NFPA demands

- Proven strength of dust collectors
- ATEX compliance by means of explosion relief doors and panels
- Safety equipment such as rotary valves and explosion isolation flaps etc.
- ATEX certified fans for handling potentially combustible dust



Extensive experience

For more than 70 years, Nederman has developed products and solutions to reduce the strain on the environment and protect people from harmful particles, fibers, dust, gas, smoke and oil mist. We have extensive experience of how to create a safe working environment. Our accumulated know-how is easily accessible when you plan a new facility or need to modernize existing operations.



Worldwide presence

Nederman has a strong global presence in both sales and production. Production is performed in 12 countries on five continents. In many countries, we also have a well-established service organization. By offering advanced service with high availability, Nederman helps customers to secure continuous, optimized production.

The image features a large background photograph of a calm lake reflecting a clear blue sky and a dense forest of evergreen trees. On the left side, there is a white diagonal graphic element containing the Nederman logo. The logo consists of the word "Nederman" in a bold, blue, sans-serif font.

Nederman

Nederman is a world-leading environmental technology company. We filter, clean and recycle to create eco-efficient production in demanding industrial surroundings.

For more than 70 years, Nederman has developed, manufactured, and installed products and solutions to reduce the strain on the environment and improve working conditions in numerous industries.

Our products and systems have been ground-breaking in industries such as machining, metal fabrication, mining, automotive, composite manufacturing, food, pharmaceuticals, woodworking, and many others.

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